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# NOTICE OF ALLOWANCE AND FEE(S) DUE

58882 7590 10/01/2009
PATENT DOCKET ADMINISTRATOR
LOWENSTEIN SANDLER P.C.
65 LIVINGSTON AVENUE

ROSELAND, NJ 07068

EXAMINER

LE, BRIAN Q

ART UNIT PAPER NUMBER

2624

DATE MAILED: 10/01/2009

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.		
10/766,976	01/29/2004 Peng Chang		SAR-14948	4351		
TITLE OF INVENTION: STEREO-VISION BASED IMMINENT COLLISION DETECTION						

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	01/04/2010

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT, PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 1SI. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

#### HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FIEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

#### PART B - FEE(S) TRANSMITTAL

# Complete and send this form, together with applicable fee(s), to: Mail Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or Fax (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where

appropriate. All further indicated unless corrects maintenance fee notifica	correspondence includir ed below or directed oth	of transmitting the 133 ng the Patent, advance nerwise in Block 1, by	orders and notification (a) specifying a new co	of maintenance fees rrespondence address	will be ; and/o	mailed to the current or (b) indicating a sepa	correspondence address as rate "FEE ADDRESS" for
CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)				Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.			
LOWENSTEIN 65 LIVINGSTO			,	Ce	rtificat	e of Mailing or Trans	
ROSELAND, N	1 0 / 008						(Depositor's name)
							(Signature)
			l				(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVENT	OR	ATTO	ORNEY DOCKET NO.	CONFIRMATION NO.
10/766,976 TITLE OF INVENTION	01/29/2004	SED IMMINENT COL	Peng Chang			SAR-14948	4351
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nonprovisional	NO	\$1510	\$300	\$0	\$0		01/04/2010
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☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. ☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.							
3. ASSIGNEE NAME A	ND RESIDENCE DATA	A TO BE PRINTED ON	THE PATENT (print or	type)			
PLEASE NOTE: Uni recordation as set fort	less an assignee is ident h in 37 CFR 3.11. Comp	ified below, no assigne pletion of this form is No	e data will appear on th OT a substitute for filing	e patent. If an assign an assignment.	nee is i	dentified below, the d	ocument has been filed for
(A) NAME OF ASSI			(B) RESIDENCE: (C				
Please check the appropr	iate assignee category or	categories (will not be	printed on the patent):	Individual O	'orporat	ion or other private gro	oup entity Government
4a. The following fee(s)	are submitted:		4b. Payment of Fee(s): (		ny pre	viously paid issue fee	shown above)
☐ Issue Fee ☐ Publication Fee (N	vo small entity discount p	nermitted)	A check is enclose  Payment by credit		R is att	ached	
Advance Order - # of Copies The Director is			The Director is her	s hereby authorized to charge the required fee(s), any deficiency, or credit any to Deposit Account Number (enclose an extra copy of this form).			
5. Change in Entity Sta	tus (from status indicate	d above)	overpayment, to D	eposit recount runn		(cholose a	cana copy of any formy.
- 11	s SMALL ENTITY state					TITY status. Sec 37 Cl	
NOTE: The Issue Fee an interest as shown by the	d Publication Fee (if req records of the United Sta	uired) will not be accept tes Patent and Tradema	ted from anyone other th rk Office.	an the applicant; a reg	istered	attorney or agent; or th	e assignee or other party in
Authorized Signature				Date			
Typed or printed name				Registration	No		
This collection of inform an application. Confiden submitting the complete this form and/or suggests Box 1450, Alexandria, V Alexandria, Virginia 223	nation is required by 37 C tiality is governed by 35 d application form to the ions for reducing this but 'irginia 22313-1450. DC k13-1450.	FR 1.311. The informat U.S.C. 122 and 37 CFE USPTO. Time will var den, should be sent to t O NOT SEND FEES OR	tion is required to obtain R 1.14. This collection is ry depending upon the in the Chief Information Of R COMPLETED FORMS	or retain a benefit by estimated to take 12 ndividual case. Any c ficer, U.S. Patent and S TO THIS ADDRES	the pub minute ommen Trader S. SEN	lic which is to file (and s to complete, includir ts on the amount of ti- mark Office, U.S. Dep D TO: Commissioner	by the USPTO to process) g gathering, preparing, and me you require to complete artment of Commerce, P.O. for Patents, P.O. Box 1450,

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PTOL-85 (Rev. 08/07) Approved for use through 08/31/2010.



# UNITED STATES PATENT AND TRADEMARK OFFICE

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10/766,976	01/29/2004	Peng Chang	SAR-14948	4351	
58882 75	90 10/01/2009	EXAMINER			
PATENT DOCKET ADMINISTRATOR					
LOWENSTEIN SANDLER P.C.			ART UNIT	PAPER NUMBER	
65 LIVINGSTON AVENUE ROSELAND, NJ 07068			2624 DATE MAIL ED: 10/01/2009		

# Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 0 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 0 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

	Applica	tion No.	Applicant(s)				
2		976	CHANG ET AL.				
Notice of Allowability	Examiner		Art Unit				
	BRIAN (	Q. LE	2624				
— The MAILING DATE of this communication appears on the cover sheet with the correspondence address— All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed, a Notice of Allowance (PTOLAS) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.  1.     This communication is responsive to amendments filed 06/19/2009.							
2. The allowed claim(s) is/are <u>1-30</u> .							
2.							
Attachment(s) 1.   Notice of References Cited (PTO-892) 2.   Notice of Draftperson's Patent Drawing Review (PTO-948) 3.   Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date							
/Brian Q Le/ Primary Examiner, Art Unit 2624							

Application/Control Number: 10/766,976 Page 2

Art Unit: 2624

# REASONS FOR ALLOWANCE

1. The following is an examiner's statement of reasons for allowance:

Regarding independent claims 1, 13 and 20, the prior art of records do not show the limitations of a method/system that tessellates a depth map to detect a collision as specifically claimed in combination with other limitations of the claims.

Other claims are allowed because they are dependent on the independent claims.

2. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

#### CONTACT INFORMATION

 Any inquiry concerning this communication or earlier communications from the examiner should be directed to BRIAN Q. LE whose telephone number is (571)272-7424. The examiner can normally be reached on 8:30 A.M - 5:30 P.M.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Samir Ahmed can be reached on 571-272-7413. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Brian Q Le/ Primary Examiner, Art Unit 2624

October 1, 2009